

TB FLEX

# Industrial Packaging

## Barrier Bags for Polymers, Resins, and Oxygen/Moisture Sensitive Materials

TricorBraun Flex's line of large, barrier bags work well for a variety of industrial packaging uses. With a structure designed to protect, our bags offer many features that enhance packaging, palletizing, storing and shipping industrial products. Our barrier bags offer an air tight packaging option that protects the product it contains from air and moisture. The bags themselves pack in small, easy-to use case quantities, taking up little warehouse space for storage or, if you prefer, they can be packed in Gaylords. Sealing is easy using standard fillers and simple jaw or rotary band heat sealers.



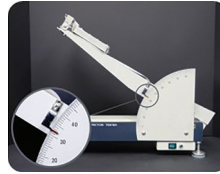
# Features & Benefits of Barrier Packaging:

## BAG MATERIAL

- Multi-Layer construction of Polyester / Aluminum Foil /Nylon / Polyethylene
- Prevents oxygen and moisture permeation
- Resists punctures
- Allows sharp, abrasion-resistant graphics
- Heat sealable

## PALLETIZE

- Filled bags can be easily palletized, stacked on 40 x 48 pallet up to 72" or taller.
- They also can be floor stacked.



## ANTI-SKID COATING

- Bags can come with anti-skid coating.
- We target slide angles from 15° to upwards of 30-35°.

## ONE-WAY VALVES

- Allow entrapped air to release from bags while being palletized to create a tight, stable pallet stack.
- Further reduces the amount of trapped atmosphere within the package.
- Valve shuts off and keeps atmosphere from returning into the package.

## CERTIFICATION

Imagine potential problems and liabilities incurred when a package is filled with a hazardous. Packages without proper certification is a dangerous path. We have it covered and use an established third-party Certification Agency who insure bags perform in accordance under §107.403 that certifies the TricorBraun Flex packaging passes the standards of the DEPARTMENT OF TRANSPORTATION'S TITLE 49.

## PHYSICAL PROPERTIES



### THICKNESS

Total Thickness: 0.0075 in. +/- 10%  
48ga Polyester (PET): 0.00048 in. +/- 10%  
28ga Aluminum Foil: 0.00028 in. +/- 10%  
60ga Biaxially Oriented Nylon (BON): 0.00060 in. +/- 10%  
6.0 mil LLDPE: 0.006 in. +/- 10%



### BASIS WEIGHT:

123 lbs. /ream (3,000 sq. ft.) +/- 10%



### OXYGEN TRANSMISSION RATE

(65% RH, 20° C)  
< 0.001 cc / 100 in2 -24hr



### MOISTURE VAPOR TRANSMISSION RATE

(90% RH, 40° C)  
< 3.22E-6 g / 100 in2 -24hr

### FILM STRUCTURE

